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NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH

Section A: accelerators, spectrometers, detectors and associated equipment

Editors:

William Barletta
Robert Klanner
Glenn F. Knoll
Fabio Sauli
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E. Tcherniaev, E.S. Tehrani, M. Tropeano, P. Truscott, H. Uno, L. Urban, P. Urban, M. Verderi, A. Walkden, W. Wander, H. Weber, J.P. Wellisch, T. Wenaus, D.C. Williams, D. Wright, T. Yamada, H. Yoshida and D. Zschiesche, GEANT4—a simulation toolkit ... 506 (2003) 250
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Ajaltouni, Z., G. Bohner, R. Cornat, O. Deschamps, J. Lecoq, S. Monteil and P. Perret, Photomultiplier pulse Read Out system for the preshower detector of the LHCb experiment ... 504 (2003) 250
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Arnaboldi, C., C. Bucci, S. Capelli, A. Fascilla, P. Gorla, A. Nucciotti, M. Pedretti, G. Pessina, S. Pirro, E. Previtali and M. Sisti, The front-end readout for CUORICINO, an array of macro-bolometers and MIBETA, an array of μ-bolometers 520 (2004) 578

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Arndt, K., G. Bolla, D. Bortoletto, K. Giolo, R. Horisberger, A. Roy, T. Rohe and S. Son, Silicon sensors development for the CMS pixel system 511 (2003) 106

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Arneodo, F., B. Badełek, A. Badertscher, B. Baiboussinov, M.B. Ceolin, G. Battistoni, B. Bekman, P. Benetti, E. Bernardini, M. Bischofberger, A.B. di Tigliole, R. Brunetti, A. Bueno, E. Calligarich, M. Campanelli, C. Carpanese, D. Cavalli, F. Cavanna, P. Cennini, S. Centro, A. Cesana, C. Chen, D. Chen, D.B. Chen, Y. Chen, D. Cline, Z. Dai, C. De Vecchi, A. Dabrowska, R. Dolfini, M. Felcini, A. Ferrari, F. Ferri, Y. Ge, A.G. Berzolari, I. Gil-Botella, K. Graczyk, L. Grandi, K. He, J. Holeczek, X. Huang, C. Juszczak, D. Kiełczewska,

J. Kisiel, T. Kozłowski, H. Kuna-Ciskał, M. Laffranchi, J. Łagoda, Z. Li, F. Lu, J. Ma, M. Markiewicz, A.M. de la Ossa, C. Matthey, F. Mauri, D. Mazza, G. Meng, M. Messina, C. Montanari, S. Muraro, S. Navas-Concha, M. Nicoletto, G. Nurzia, S. Otwinowski, Q. Ouyang, O. Palamara, D. Pascoli, L. Periale, G.P. Mortari, A. Piazzoli, P. Picchi, F. Pietropaolo, W. Półchłopek, T. Rancati, A. Rappoldi, G.L. Raselli, J. Rico, E. Rondio, M. Rossela, A. Rubbia, C. Rubbia, P. Sala, D. Scannicchio, E. Segreto, F. Sergiampietri, J. Sobczyk, J. Stepaniak, M. Szeptycka, M. Szleper, M. Szarska, M. Terrani, S. Ventura, C. Vignoli, H. Wang, M. Wójcik, J. Woo, G. Xu, Z. Xu, A. Zalewska, J. Zalipska, C. Zhang, Q. Zhang, S. Zhen and W. Zipper, Erratum to "Observation of long ionizing tracks with the ICARUS T600 first half-module" [Nucl. Instr. and Meth. A 508 (2003) 287–294] 516 (2003) 610

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Ashmanskas, B., M. Bogdan, H. Frisch, T. Liu, H. Sanders and M. Shochet, Virtual prototype method used in design of electronic circuitry for CDF ... 518 (2004) 491
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Baek, S., T. Goto, Y. Okada and K.-i. Okumura, Lepton flavor-violating process in a supersymmetric grand unified theory with right-handed neutrinos . . . 503 (2003) 244
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Baer, H., C. Balázs, A. Belyaev, R. Dermíšek, A. Mafi and A. Mustafayev, Study of viable models with non-universal gaugino mediation with CompHEP and ISAJET . . . 502 (2003) 560
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Bailleux, D., I. Britvitch, K. Deiters, R. Egeland, B. Gilbert, J. Grahl, Q. Ingram, A. Kuznetsov, E. Lester, Y. Musienko, D. Renker, S. Reucroft, R. Rusack, T. Sakhelashvili, A. Singovski and J. Swain, Hamamatsu APD for CMS ECAL: quality insurance . . . 518 (2004) 622
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Baixeras, C., D. Bastieri, C. Bigongiari, O. Blanch, G. Blanchot, R. Bock, T. Bretz, A. Chilingarian, J.A. Coarasa, E. Colombo, J.C. Contreras, D. Corti, J. Cortina, C. Domingo, E. Domingo, D. Ferenc, E. Fernández, J. Flix, V. Fonseca, L. Font, N. Galante, M. Gaug, M. Garczarczyk, J. Gebauer, M. Giller, F. Goebel, T. Hengstebeck, P. Jacone, O.C. de Jager, O. Kalekin, M. Kestel, T. Kneiske, A. Laille, M. López, J. López, E. Lorenz, K. Mannheim, M. Mariotti, M. Martínez, K. Mase, M. Merck, M. Meucci, L. Miralles, R. Mirzoyan, A. Moralejo, E. Oña Wilhelmi, R. Orduña, D. Paneque, R. Paoletti, D. Pascoli, N. Pavel, R. Pegna, L. Peruzzo, A. Piccioli, A. Roberts, R. Reyes, A. Saggion, A. Sánchez, P. Sartori, V. Scalzotto, T.

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Baldazzi, G., D. Bollini, A.E. Cabal Rodriguez, W. Dąbrowski, A. Diaz Garcia, M. Gambaccini, P. Giubellino, M. Gombia, P. Grybos, M. Idzik, A. Marzari-Chiesa, L.M. Montano, F. Prino, L. Ramello, M. Sitta, K. Swientek, A. Taibi, A. Tuffanelli, R. Wheadon and P. Wiacek, A silicon strip detector coupled to the RX64 ASIC for X-ray diagnostic imaging ... 514 (2003) 206
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Baranovski, A., G. Garzoglio, H. Koutaniemi, L. Lueking, S. Patil, R. Pordes, A. Rana, I. Terekhov, S. Veseli, J. Yu, R. Walker and V. White, The SAM-GRID project: architecture and plan ... 502 (2003) 423
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Barbera, M., E. Perinati, S. Serio and E. Silver, Spectral broadening by quasiparticle pile-up in X-ray microcalorimeters with superconducting absorbers ... 520 (2004) 220
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Belcari, N., M. Camarda, A. Del Guerra, N. Malakhov, A. Vaiano, C. Damiani, G. Di Domenico and G. Zavattini, Recent developments for the readout of a matrix of scintillators by means of a multi-pixel HPD . . . 504 (2003) 269
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Bellazzini, R., L. Baldini, A. Brez, E. Costa, L. Latronico, N. Omodei, P. Soffitta and G. Spandre, A photoelectric polarimeter based on a Micropattern Gas Detector for X-ray astronomy . . . 510 (2003) 176
Bellazzini, R., F. Angelini, R. Bagagli, L. Baldini, A. Brez, M. Ceccanti, J.C. Tanugi, M. Kuss, L. Latronico, M.M. Massai, M. Minuti, N. Omodei, G. Spandre, L. Vigiani and F. Zetti, The silicon-strip tracker of the Gamma ray Large Area Space Telescope . . . 512 (2003) 136
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Bellunato, T., A. Braem, A.R. Buzykaev, M. Calvi, E. Chesi, A.F. Danilyuk, S. Easo, S. Jolly, C. Joram, E.A. Kravchenko, D. Liko, C. Matteuzzi, M. Musy, P. Negri, N. Neufeld, A.P. Onuchin, J. Séguinot and S. Wotton, Cherenkov rings from aerogel detected by four large-area hybrid photodiodes . . . 504 (2003) 290
Bellunato, T., M. Calvi, C. Matteuzzi, M. Musy, P. Negri, A. Braem, E. Chesi, C. Hansen, D. Liko, C. Joram, N. Neufeld, J. Séguinot, P. Weilhammer, A.R. Buzykaev, E.A. Kravchenko, A.P. Onuchin, A.F. Danilyuk, S. Easo, S. Wotton and S. Jolly, Performance of aerogel as Cherenkov radiator . . . 519 (2004) 493
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Bizzeti, A., G. Carboni, G. Collazuol, S. De Capua, D. Domenici, G. Ganis, R. Messi, G. Passaleva, E. Santovetti and M. Veltri, First results from an aging test of a prototype RPC for the LHCb Muon System ... 515 (2003) 348
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Bonner, B., H. Chen, G. Eppley, F. Geurts, J. Lamas-Valverde, Ch. Li, W.J. Llope, T. Nussbaum, E. Platner and J. Roberts, A single Time-of-Flight tray based on multigap resistive plate chambers for the STAR experiment at RHIC ... 508 (2003) 181
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Faes, A., F. Giacomozzi, B. Margesin and A. Nucciotti, Fabrication of silicon bolometers with bulk micromachining technology . . . 520 (2004) 493
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Fetal, S., C.W.E. van Eijk, F. Fraga, J. de Haas, R. Kreuger, T.L. van Vuure and J.M. Schippers, Dose imaging in radiotherapy with an Ar–CF_4 filled scintillating GEM . . . 513 (2003) 42
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Li, Z., H. En'yo, Y. Goto, V. Radeka, W. Chen, D. Elliott, T. Kawabata, M. Togawa, N. Saito, V. Rykov, K. Tanida and J. Tojo, Novel silicon stripixel detector for PHENIX Upgrade . . . 518 (2004) 300
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Lindeman, M.A., S. Bandler, R.P. Brekosky, J.A. Chervenak, E. Figueroa-Feliciano, F.M. Finkbeiner, R.L. Kelley, T. Saab, C.K. Stahle and D.J. Talley, Performance of compact TES arrays with integrated high-fill-fraction X-ray absorbers 520 (2004) 411
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Litovchenko, P.G., A.A. Groza, V.I. Varnina, M.I. Starchik, V.I. Khivrich, G.G. Shmatko, L.A. Polivzev, M.B. Pinkovska, D. Bisello, A. Candelori, A.P. Litovchenko, J. Wyss and W. Wahl, Radiation defects in neutron irradiated silicon with high oxygen concentration ... 514 (2003) 44
Litovchenko, P.G., W. Wahl, D. Bisello, A. Candelori, A.P. Litovchenko, V.F. Lastovetsky, L.I. Barabash, T.I. Kibkalo, L.A. Polivtsev and J. Wyss, Semiconductor detectors for neutron flux measurements ... 518 (2004) 423
Litvin, V., H. Newman, S. Shevchenko, S. Koranda, B. Loftis, J. Towns, M. Livny, P. Couvares, T. Tannenbaum and J. Frey, Prototype of GRID infrastructure for $H \rightarrow \gamma\gamma$ study with full QCD background simulation and reconstruction for CMS at LHC ... 502 (2003) 453
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Mustafin, E., O. Boine-Frankenheim, I. Hofmann, H. Reich-Sprenger and P. Spiller, A theory of the beam loss-induced vacuum instability applied to the heavy-ion synchrotron SIS18 . . . 510 (2003) 199
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Nara Singh, B.S., H.C. Jain, P.K. Joshi, S. Lakshmi, I. Mazumdar, S. Nagaraj and B.S. Naidu, Characteristics of a two-fold segmented Clover detector . . . 506 (2003) 238
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Nava, F., G. Wagner, C. Lanzieri, P. Vanni and E. Vittone, Investigation of Ni/4H-SiC diodes as radiation detectors with low doped n-type 4H-SiC epilayers ... 510 (2003) 273
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Passeri, D., P. Placidi, L. Verducci, P. Ciampolini, G. Matrella, A. Marras and G.M. Bilei, RAPS: an innovative active pixel for particle detection integrated in CMOS technology . . . 518 (2004) 482
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NUCLEAR INSTRUMENTS AND METHODS IN PHYSICS RESEARCH – SECTION A

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Section A: accelerators, spectrometers, detectors and associated equipment

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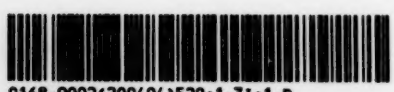

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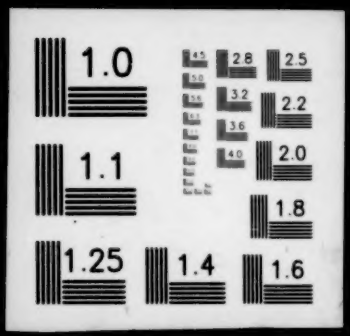
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